AMSAT News Service Weekly Bulletins
Issue: ANS-197
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SB SAT @ AMSAT $ANS-197.01
SSTV ON AO-13

HR AMSAT NEWS SERVICE BULLETIN 197.01 FROM AMSAT HQ
SILVER SPRING, MD JULY 16, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-197.01

SSTV ON OSCAR 13

Slow scanners are invited to join the SSTV sessions on AMSAT-OSCAR-13. The frequency is 145.955 MHz. The net meets at 45 minutes before Mode-S, and on Mode-B following Mode-S on Saturdays and Sundays. Join those sessions or convey your wishes for other skeds to wb6llo@amsat.org on INTERNET, and he will coordinate your efforts.

DATE	TIME		
23-July-1994	16:18 UTC	and	18:23 UTC
24-July-1994	15:11 UTC	and	17:16 UTC

/EX
SB SAT @ AMSAT $ANS-197.02
STS-65 SAREX MISSION CONTINUES

HR AMSAT NEWS SERVICE BULLETIN 197.02 FROM AMSAT HQ
SILVER SPRING, MD JULY 16, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-197.02

STS-65 SAREX Mission Continues

The STS-65 SAREX missions continues smoothly. The packet radio ROBOT is working perfectly and many stations are connecting and receiving their "confirming" QSO number. All radio amateurs are invited to try their hand at making a voice/packet contact with the astronauts aboard STS-65.

Monitor the WA3NAN Shuttle re-broadcast frequencies and daily ARRL bulletins to pick up the latest element sets. The following are the frequencies for the re-broadcasts:

Goddard Amateur Radio Club, WA3NAN, Greenbelt Maryland, SAREX Bulletins and Shuttle Retransmissions 3860 KHz, 7185 KHz, 14,295 KHz, 21,395 KHz, 28,650 KHz and 147.45 MHz (FM)

ARRL Amateur Radio Station, W1AW, Newington, CT SAREX News Bulletins 3990, 7290, 14,290, 18,160, 21,390, and 28,590 KHz and 147.555 MHz (FM)

Also, bulletins available on INTERNET, via AMSAT News Service (ANS) bulletins, Compuserve, and many of our local Packet Radio BSS.

The following is a summary of the frequencies that the Shuttle astronauts will use during SAREX operations:

All operations in split mode. Do not transmit on the downlink frequency.

Voice Freqs: Downlink: 145.55 MHz (Worldwide)
Uplinks : 144.91, 144.93, 144.95, 144.97, 144.99 MHz (Except Europe)

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                    144.70, 144.75, 144.80 MHz (Europe only)

Packet Freqs: Downlink: 145.55 MHz
              Uplink  : 144.49 MHz

Note: The crew will not favor any specific uplink frequency, so your
      ability to work the crew will be the "luck of the draw."


The following is the latest keplerian element set for STS-65:

STS-65
1 23173U 94039A   94197.96572968 0.00069638  00000-0  20662-3 0   276
2 23173  28.4666 305.8755 0003512  39.1990 320.8876 15.90919045  1339

Satellite: STS-65
Catalog number: 23173
Epoch time:      94197.96572968         (16-JUL-94   23:10:39.05 UTC)
Element set:     GSFC-027a
Inclination:       28.4666 deg
RA of node:       305.8755 deg          Space Shuttle Flight STS-65
Eccentricity:    0.0003512                  Keplerian Elements
Arg of perigee:    39.1990 deg
Mean anomaly:     320.8876 deg
Mean motion:   15.90919045 rev/day      Semi-major Axis: 6677.8421 Km
Decay rate:     6.9638E-04 rev/day*2    Apogee  Alt:        301.80 Km
Epoch rev:             133              Perigee Alt:        297.11 Km

[The AMSAT News Service (ANS) would like to thank Frank Bauer and the SAREX
Working Group for this bulletin item.]

/EX
SB SAT @ AMSAT   $ANS-197.03
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 197.03 FROM AMSAT HQ
SILVER SPRING, MD JULY 16, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-197.03

Weekly OSCAR Status Reports: 16-JUL-94

AO-13: Current Transponder Operating Schedule:
M QST *** AO-13 TRANSPONDER SCHEDULE ***  1994 Jul 11 - Sep 12
Mode-B  : MA   0 to MA  90 |  Omnis   : MA 230 to MA  30
Mode-BS : MA  90 to MA 120 |
Mode-S  : MA 120 to MA 122 |<- S beacon only
Mode-S  : MA 122 to MA 145 |<- S transponder; B trsp. is OFF
Mode-S  : MA 145 to MA 150 |<- S beacon only
Mode-BS : MA 150 to MA 180 |        Blon/Blat 180/0
Mode-B  : MA 180 to MA 256 | Move to attitude 230/0, Sep 12
[G3RUH/DB2OS/VK5AGR]

DO-17: DO-17 still continues to transmit its voice message on a downlink
       frequency of 145.825 MHz.

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly
OSCAR status reports.  If you have a favorite OSCAR which you work on a
regular basis and would like to contribute to this bulletin, please send
your observations to WD0HHU at his CompuServe address of 70524,2272, on
INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO
area, WD0HHU @ N0QCU.  Also, if you find that the current set of orbital
elements are not generating the correct AOS/LOS times at your QTH, PLEASE
INCLUDE THAT INFORMATION AS WELL.  The information you provide will be of
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value to all OSCAR enthusiasts.

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